

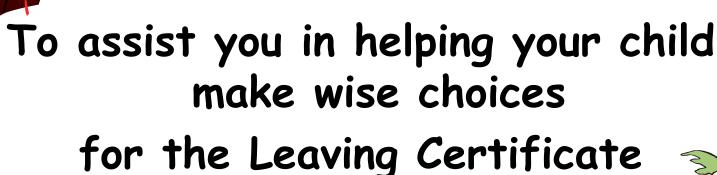
Our Education System

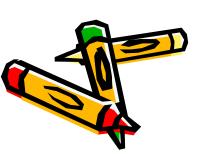
"Everybody is a genius. But if you judge a fish by its ability to climb a tree, it will live its whole life believing that it is stupid."





This Evening's task

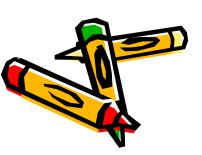






The Process?

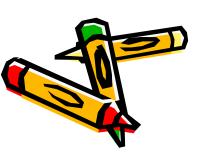
- Subject Choice Classes
- Parents Evening
- Subject Choice Project
- · Teachers/Website
- · Group Meetings
- 1:1 appointments
 - Aptitude Feedback
 - Subject Choice Discussion





Background information

- Students take 7 subjects:
- 3 Core subjects, Irish*, English, Maths
- 4 Elective subjects





MODERN LANGUAGES

· FRENCH





· SPANISH

- Oral 20-25%
- Written 55%
- Aural 20-25%

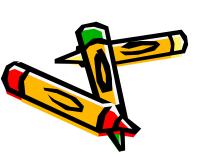


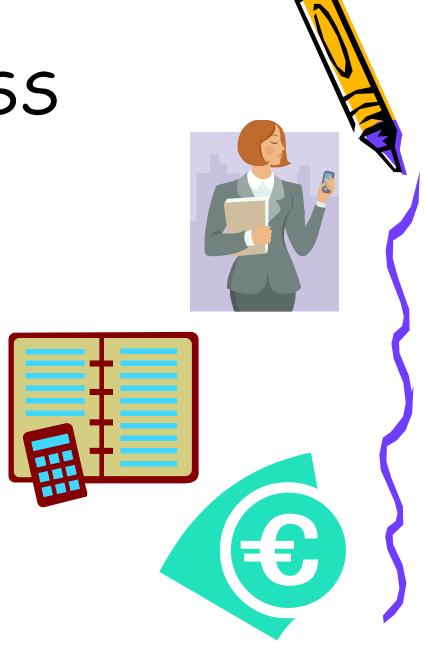
BUSINESS

BUSINESS

· ACCOUNTING

ECONOMICS





LABORATORY SCIENCES

· PHYSICS

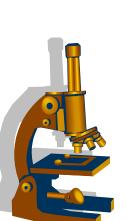


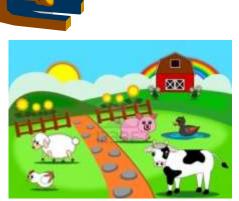
· CHEMISTRY

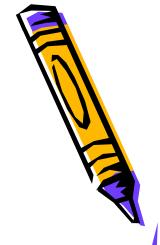




25% Practical







CREATIVE

· ART

- 62.5% Practical
- 37.5% Written





·MUSIC

- ·50% Performance
- ·25% Listening
- •25% Composition



Creative & Practical

- Technology
 - 50% Practical
 - 50% Written

- Design Communication Graphics
 - 40% Assignment
 - 60% Terminal Paper





HUMANITIES & SOCIAL





· HISTORY

- 20% Research
- 80% Exam



· GEOGRAPHY*

- 20% Geographical Investigation
- 80% Exam







Physical Education

The aim of Leaving Certificate Physical Education is to develop the learner's capacity to become an informed, skilled, self-directed and reflective performer in physical education and physical activity in senior cycle and in their future life.

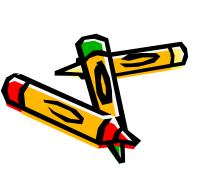
- 50% Exam
- 30% Performance
- 20% Project





Physical Education

- 50% Exam
 - Areas include
 - Anatomy & Physiology
 - Psychology
 - Nutrition
 - · Biomechanics
 - · Health & Safety





Physical Education

- · 30% Performance = Outcome
 - One of 3 Selected Physical Activities
 - Video 10 Hours/Video Clips
- 20% Project
 - Journey v's Outcome
 - 4 Goals out of 8
 - · Skills & Technique
 - Diet Nutrition
 - Health related physical
 - Muscle Strength & Endurance



WHAT DOES ALL THIS TELL US?

· Confused?







SUBJECT / COURSE CONNECTIONS

Sometimes there are obvious connections to certain courses



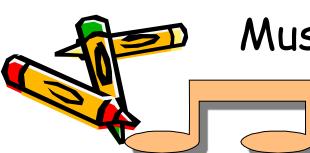
Sciences and Medicine



Art and Design courses





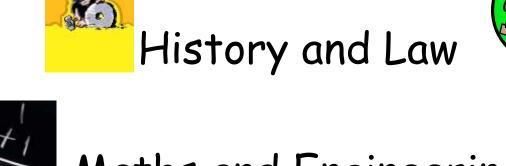




SUBJECT / COURSE CONNECTIONS

Some are not so obvious





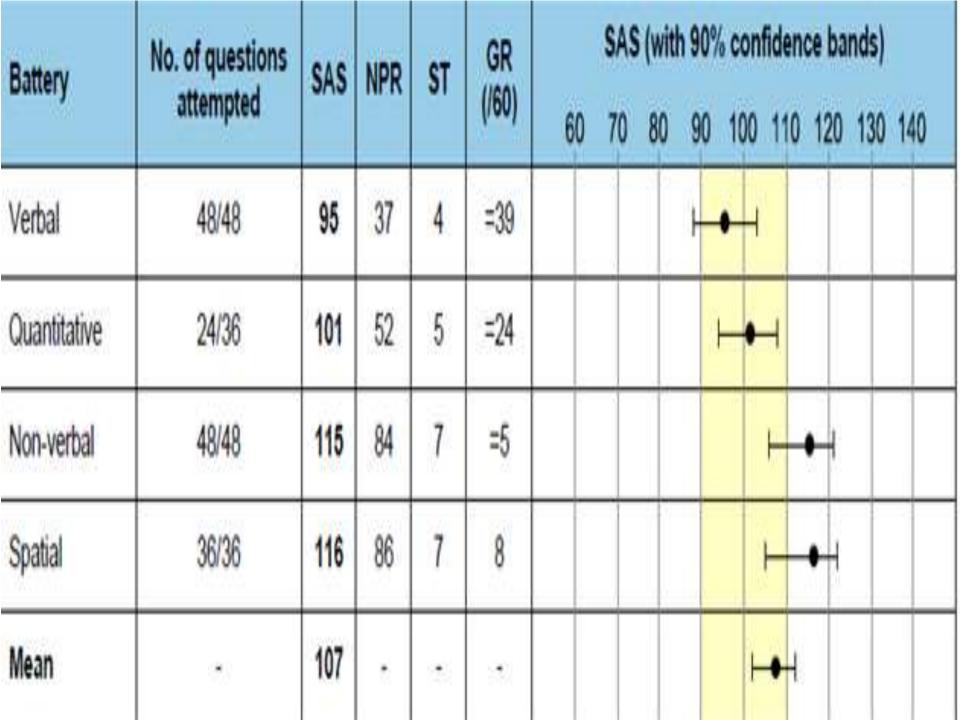








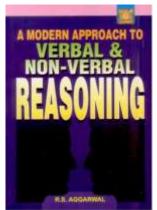




Aptitude & Subject Choice

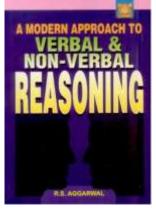
Verbal reasoning:

- Language
- History
- Business
- Biology



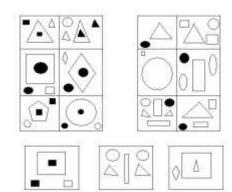
63.12 Quantitative: 5.29 Physics

- Chemistry
- **Economics**
- Accounting



Non Verbal:

- History
- Physics
- Chemistry
- Biology
- Economics



Spatial Reasoning:

- Art
- Applied Maths*
- Physics
- Home Economics



CONSIDERATION TO:

- Aptitudes (1st Year & TY's)
- Achievements
- Information
- Options
- Hopes & Aspirations
- Interests





AND ABOVE ALL





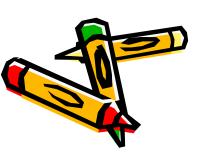
WHAT THEY ENJOY

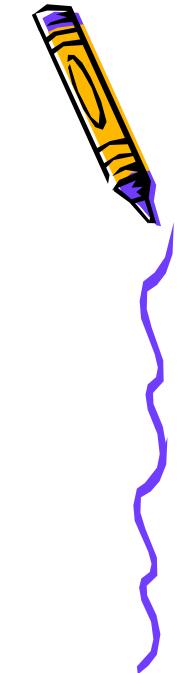


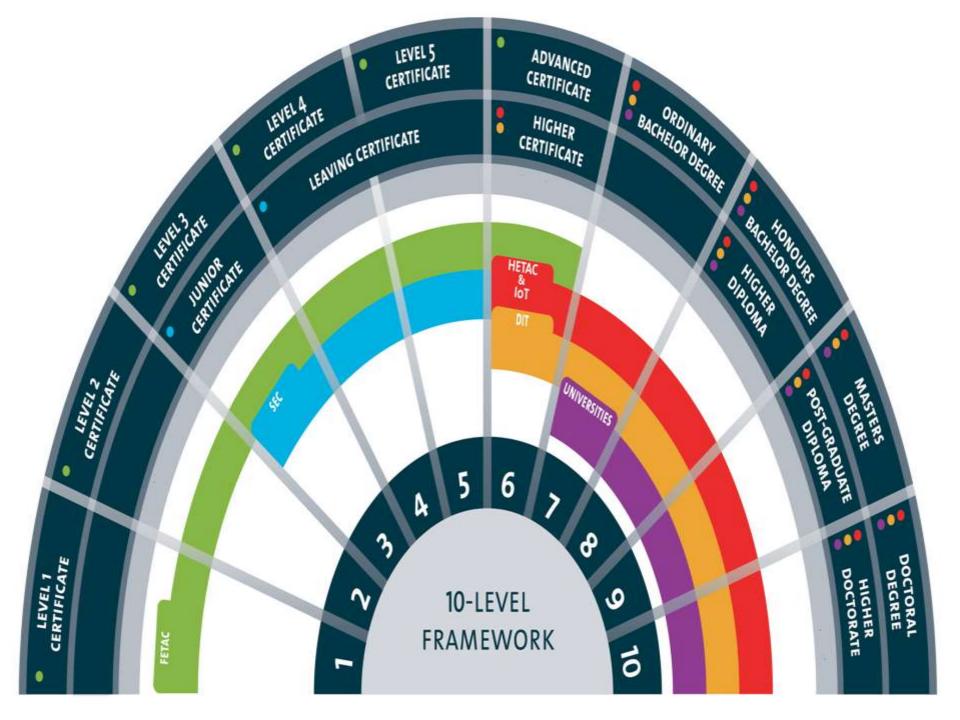


In Summary...

- 7 Subjects
 - 3 Core
 - 4 Choices
 - 1. Ideally you like them all
 - 2. You need
 - 3. Suits you
 - 4. That you can do well in

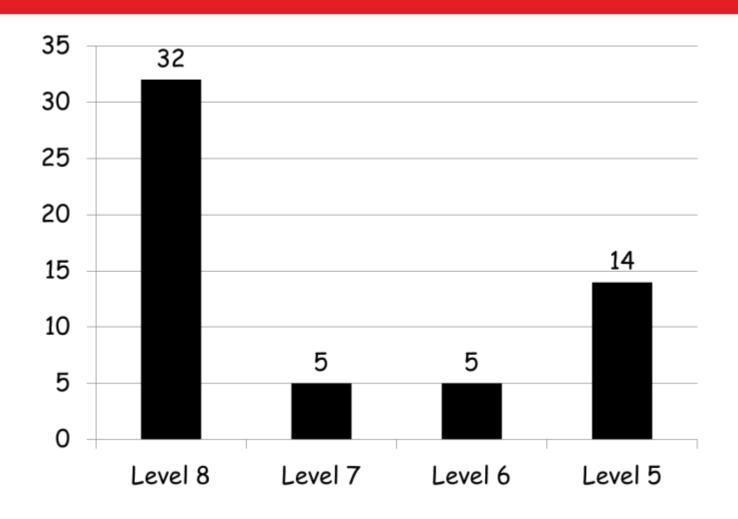






Level of Study





Higher Grade		Points	Ordinary Grade	Points
H1	90-100%	100	O1 90-100%	56
H2	80<90%	88	O2 80<90%	46
Н3	70<80%	77	O3 70<80%	37
H4	60<70%	66	O4 60<70%	28
H5	50<60%	56	O5 50<60%	20
Н6	40<50%	46	O6 40<50%	12
H7	30<40%	37	O7 30<40%	0
H8	0<30%	0	O8	0

Points

- Points are based on your top 6 subjects
- You can include any subject
- You do not have to include certain subjects
- Convert grades to points, add 25 points to your
 Honours Maths result, then add up your top six

Bonus Points Maths

Honours Maths

- All students achieving a H6 or higher will have 25 points added to their total score for honours Maths. The Maths grade itself does not change. There are no bonus points for Ordinary level Maths.
- This is a standard 25 points regardless of the grade achieved. The same points are awarded for an H1 as a H6.
- There are no bonus points for a H7 in Honours Maths.
- If Maths is not included in the top six subjects counted, the bonus points are not included.

Example 1			Example 2				
Subject	Level	Grade	Points	Subject	Level	Grade	Points
Irish	Honours	H4	66	Irish	Honours	H3	77
English	Ordinary	01	56	English	Honours	H2	88
Mathematics	Honours	H5	56+25= 81	Mathematics	Honours	H6	46+25=71
French	Honours	H3	77	French	Honours	H2	88
Biology	Honours	H4	66	Biology	Honours	A1	100
Geography	Ordinary	02	46	Geography	Honours	A1	100
History	Honours	Н3	77	History	Honours	Н3	77
Top 6 in bold			423	Top 6 in bold			530
Maths included				Maths NOT i	ncluded		

Higher level Maths at Leaving Cert - Who Gets Bonus Points?

3 rd Yea	ar H.L Maths	
J. Cert →	L. Cert Result	8
6 A's →	1 H1's	
	3 H2's	
	1 H4's	16 40
	1 H6's	
18 B's →	1 H2's	
	4 H3's	
	3 H4's	16
	4 H5's	
	2 H6's	
	4 Ordinary Level	
	1 H1's	
21 C's →	4 H5's	
organistical (#Co	2 H6's	715 8
	1 H7's	
	12 Ordinary Level	48
10 D's→	9 Ordinary	ii.
1 E's →	N/A	

What does 1 year of Maths results with new grades tell us?

 $\frac{1}{3}$ of C's at J. Cert get bonus points in L. Cert honours Maths.

 $\frac{2}{3}$ of C's at J. Cert don't, and end up doing ordinary level at L. Cert.

The optimum time to drop to ordinary level and to maximise chances of O1 ('A1') at ordinary level, is January in 5th year, just after Christmas exam results.

Question. Was a grind needed to get the C at J. Cert?

Courses that require Honours Maths

Code	Course	Course Provider		
DC127	Actuarial & Financial Mathematics - Common Entry	Dublin City University		
DN230	Actuarial & Financial Studies	University College Dublin		
DC126	Actuarial Mathematics	Dublin City University		
MH101	Arts - Mathematics - Pure	Maynooth University		
DT302	Business Analytics	Dublin Institute of Technology		
MH603	Computational Thinking	Maynooth University		
TR033	Computer Science	Trinity College Dublin		
TR039	Computer Science & Language	Trinity College Dublin		
DC123	Data Science	Dublin City University		
CK411	Data Science & Analytics	University College Cork		
DN710	Economics	University College Dublin		
DN670	Economics & Finance	University College Dublin		
	Engineering - Level 8 Courses Only			
LM058	Financial Mathematics	University of Limerick		
CK409	Industrial Physics - Offered jointly by UCC & CIT	University College Cork		
TR034	Management Science & Information Systems Studies	Trinity College Dublin		
TR001	Mathematics	Trinity College Dublin		
TR031	Mathematics	Trinity College Dublin		
LM124	Mathematics - Common Entry	University of Limerick		
LM125	Physics - Common Entry	University of Limerick		
CK407	Sciences - Mathematical Sciences	University College Cork		
TR035	Theoretical Physics	Trinity College Dublin		

Higher Grade		Points	Ordinary Grade	Points
H1	90-100%	100	O1 90-100%	56
H2	80<90%	88	O2 80<90%	46
Н3	70<80%	77	O3 70<80%	37
H4	60<70%	66	O4 60<70%	28
H5	50<60%	56	O5 50<60%	20

- If one other subject increased from e.g. H2 to H1, this is 12 extra points.
- If a second subject increased from e.g. H4 to H3, this is 11 extra points.
- Total for both subjects = 23 points.



No language?



Courses requiring a 3rd Language

Over 1,000 Courses out of over 1500 do not need a 3rd Language*

300+ courses <u>may</u> require Spanish - <u>2 Courses</u> <u>specifically require it*</u>

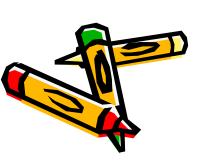
400+ courses <u>may</u> require French - <u>9 courses</u> <u>specifically require it*</u>





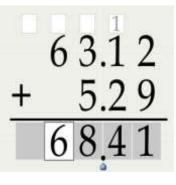


1,000+* courses do not require a laboratory science subject
217 courses may require Biology - 2 courses specifically require it
212 courses may require Chemistry - 7 courses specifically require it
215 courses may require Physics - 1 course specifically requires it









Courses requiring Maths



- 1,103 courses requires students to get a pass in Maths
- 200+ courses that do not require Maths at any level
- 409 courses accept Foundation Level Maths
- 62 Courses have a specific requirement of Higher Level Maths





Third Level Requirements











- Vast majority will want to progress to Third Level
- Core subjects for all 6 subjects
- Taking a science and a language meets entry requirements for 99% courses
- Some specific requirements
- Non-scientific students unlikely to want
 place on science related course







Third Level Requirements

- · NUI's in General:
 - 2xH5 + 4x06/H7
 to include Irish, English & language*
- · TCD*
 - 3xH5 + 3xO6/H7 to include English, Maths & language
- · DCU, UL, TU Dublin (DIT) and other IoT's
 - 2xHC3 + 4xOD3 = 2x2H5 + 4xO6/H7 to include English or Irish & Maths

Information

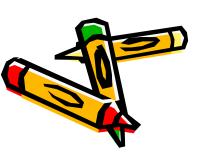
- · Read information supplied
- Consult <u>www.qualifax.ie</u> and <u>www.cao.ie</u>, <u>www.careersportal.ie</u>
- · Review information on school website
- · Consider 'tastings' this year for TY
- Take advice from teachers
- · Avoid mistakes in subject choice







Leaving Certificate Vocational Programme

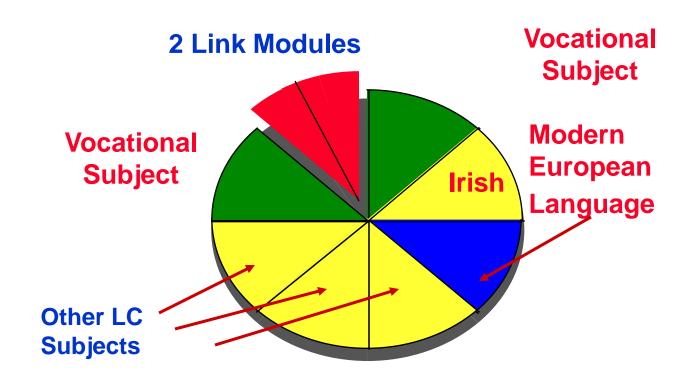


In summary

- Designed to foster a spirit of enterprise, adaptability and initiative, developing communicative, interpersonal, vocational and technological skills
- Students are 'being judged by a new yardstick; not just how smart they are, but also how they handle themselves and each other'
- The programme concentrates more on learning through doing



LCVP Structure



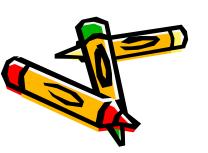
Most LCVP Students take seven Leaving Certificate Subjects plus the Link Modules

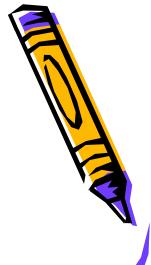


LCVP Link Modules

The LCVP is divided into two different modules:

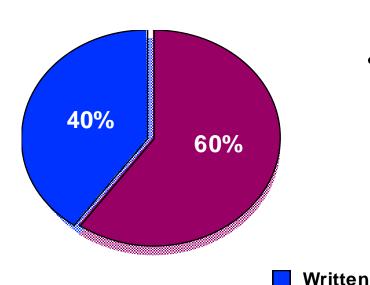
- 1. Preparation for the World of Work
- 2. Enterprise Education





Link Modules Assessment

Portfolio



 The Link Modules are assessed by written examination and portfolio



LINK MODULES

RESULTS

Distinction

Merit

Pass

80% - 100%

65% - 79% 46 Points

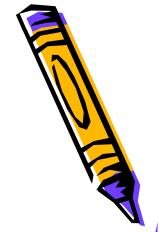
50% - 64% 28 Points

66 Points

LCVP







Vocational Subject Groupings (VSGs)
Specialist Groupings
1 DCG and Technology 2 Physics and Technology or DCG
3 Agricultural Science and Technology or DCG
4 Agricultural Science and Chemistry or Physics
5 Home Economics; Agricultural Science; Biology - Any Two 6 Home Economics and Art - Design Option or Craft Option 7 Accounting; Business; Economics - Any two 8 Physics and Chemistry 9 Biology and Chemistry or Physics or Physics/Chemistry 10 Biology and Agricultural Science
11 Art - Design Option or Craft Option and DCG
Services Groupings
12 Technology or DCG and Accounting or Business or Economics 13 Home Economics and Accounting or Business or Economics 14 Agricultural Science and Accounting or Business or Economics 15 Art Design or Craftwork Option and Accounting or Business or Economics 16 Music and Accounting or Business or Economics

IT Resources







The National Learners' Database









Students

- Find a course
- Events
- Useful Tools

Grant Calculator

Further information on Finance

Interest Assessment

Interest Assessment follow up

Minimum Subject Requirements

Useful Tools

There are a number of useful tools

The Points Calculator is particularly relevant to students who have not yet taken their Leaving Certificate. You can enter your expected results to see how they compare to the points required by applicants in recent years.

The Interest Assessment is suitable for everyone to give an indication of areas or types of work that would match your interests.

Minimum Subject requirements provides an easy way to see the effect of taking / not taking particular subjects at Junior or Leaving Certificate.

The Grant Calculator allows you to check whether you may be eligible for a grant, if you are considering entering Higher Education.

Click on the links in red above, or use the menu on the left.



Accredited Engineering Courses

In collaboration with Engineer's Ireland we have developed a comprehensive list of all the engineering courses in the country and their CAO points' requirement for the last four years.



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You are here: Home > Guidance professionals > Useful Tools > Minimum Subject Requirements

Bookmark Print this page

In this section

- ▶ For Guidance Professionals
- Career Events
- Course Finder
- DARE and HEAR
- Frequently Asked Questions
- HEI's Contact Details
- How to use Qualifax
- Resources for Guidance
- Support and Advice
- Ileaful Tools

Course Search - Subject Requirements Module

All courses referred to in this section are Third Level CAO entry. The Course Data in this section is for the CAO entry in 2013.

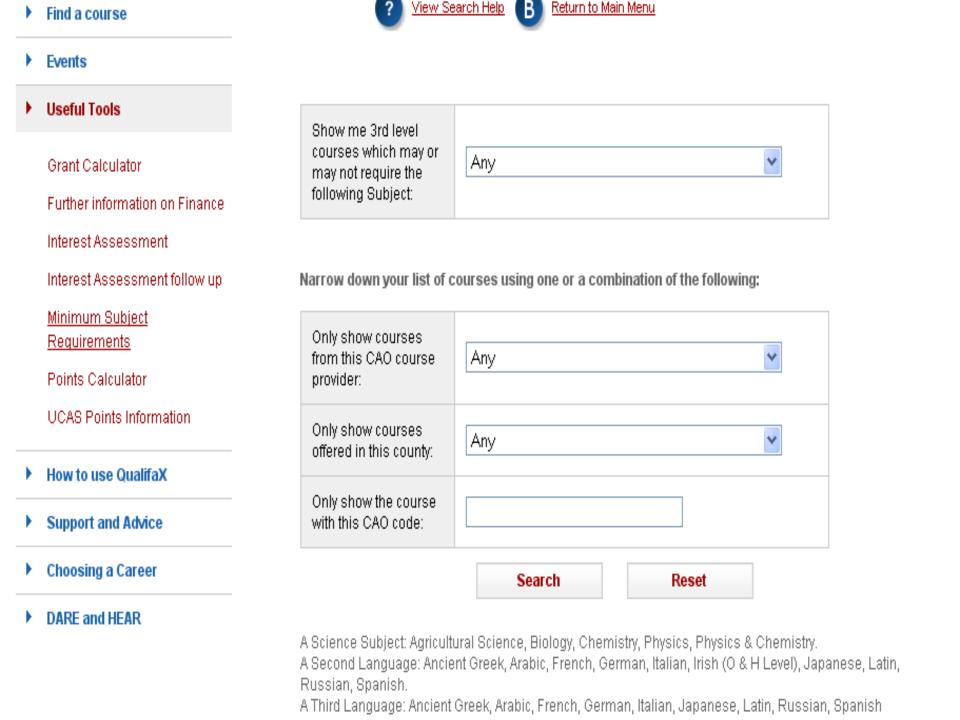
Please select one of the following:

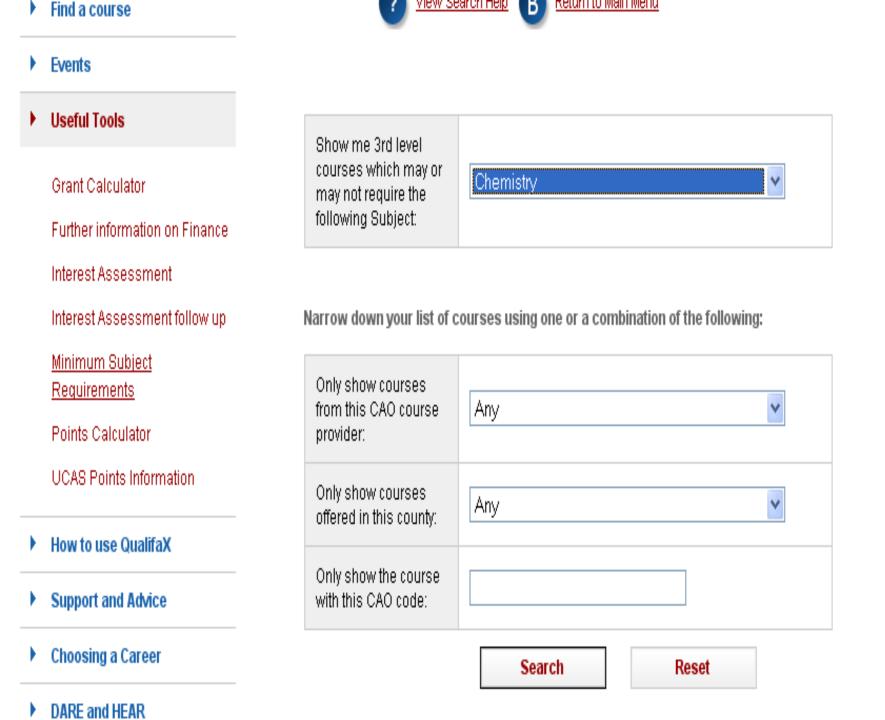
Junior Certificate Subjects

Leaving Certificate Subjects

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Select Courses To View

- For Guidance Professionals
- Career Events
- Course Finder
- DARE and HEAR
- Frequently Asked Questions
- HEI's Contact Details
- How to use Qualifax

There is a total of 217 courses that match your search requirements. Please select one of the options below to view your results.

Show me the courses that:

- O Definitely requires: Subject Chemistry.- Total of 7 courses
- May require: Subject Chemistry. Total of 210 courses
- O Does not require Subject Chemistry. Total of 1192 courses

View Courses

New Search

back to top





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In this section

- For Guidance Professionals
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View Courses

New Search

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- For Guidance Professionals
- Career Events
- Course Finder
- DARE and HEAR
- Frequently Asked Questions
- **HEI's Contact Details**
- How to use Qualifax
- Resources for Guidance
- Support and Advice
- **Useful Tools**

Interest Assessment

Interest Assessment follow up

Minimum Subject

Requirements

Points Calculator

Search Courses Results

New Search

All courses referred to in this section are Third Level CAO entry. The Course Data in this section is for the CAO entry in 2012.

Click on the Course to get details about that course. Click on the Course Provider to get details about that course provider.

Search Criteria: Subject Chemistry. (Definitely need subject).

Showing 1 to 7 of 7 results

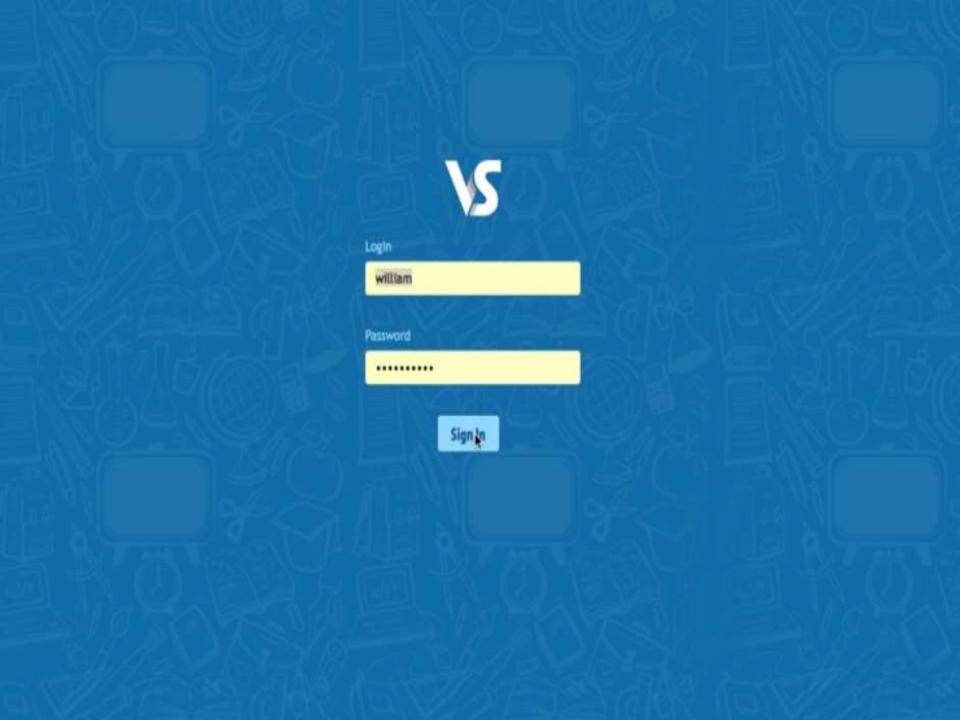
Code	Course	Course Provider
CK702	<u>Dentistry</u>	University College Cork
DT223	Human Nutrition & Dietetics	Dublin Institute of Technology
CK701	Medicine - Undergraduate Entry	University College Cork
TR072	Pharmacy	Trinity College Dublin
CK703	Pharmacy	University College Cork
DT225	Public Health Nutrition	Dublin Institute of Technology
DN300	Veterinary Medicine - Undergraduate Entry	University College Dublin

The process

- · 'Open choice' up until Friday 1st March 2019
 - (6 choices in order of preference one you like best 1st)
 - All options to be completed through VSWARE and if you are having an difficulties please contact the school
 - School arranges timetable to suit maximum number
 - Subjects blocked



Take one from each block



Una Byrne

No Filter

ent Options

sviour

table

Student Options

PLEASE NOTE: You can use this screen to enter the preferred subjects that your son/daughter would wish to student in the next school year. Please note that the order of preference does make a difference and No.1 will be get priority over No.2 etc. Our College will use this information in the compilation of Subject Option Blocks. We will endeavour to ensure that each student will be permitted to study their preferred subjects but we cannot guarantee this.

On the table(s) below, choose subjects in order of highest priority of preference (1, 2, etc.).

Preference Number	Subject Choice
1	
2	
3	
4	

tudent Options

ehaviour

metable

Student Options

PLEASE NOTE:- You can use this screen to enter the preferred subjects that your son/daughter would wish to student in the next school year. Please note that the order of preference does make a difference and No.1 will be get priority over No.2 etc. Our College will use this information in the compilation of Subject Option Blocks. We will endeavour to ensure that each student will be permitted to study their preferred subjects but we cannot guarantee this.

On the table(s) below, choose subjects in order of highest priority of preference (1, 2, etc.).

Preference Number	Subject Choice
1	SPANISH
2	HOME ECON.(SCIENTIFIC+
3	,
4	



Una Byrne

No Filter

Student Options

! Behaviour

Timetable

€ Fee

Student Options

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On the table(s) below, choose subjects in order of highest priority of preference (1, 2, etc.).

Preference Number	Subject Choice
1	SPANISH
2	HOME ECON. (SCIENTIFIC I
3	TECHNICAL GRAPHICS
4	()
	FRENCH SPANISH HOME ECON. (SCIENTIFIC & SOCIAL) ART, CRAFT, DESIGN TECHNICAL GRAPHICS METALWORK



Una Byrne

No Filter

Student Options

! Behaviour

Timetable

€ Fee

Student Options

PLEASE NOTE:- You can use this screen to enter the preferred subjects that your son/daughter would wish to student in the next school year. Please note that the order of preference does make a difference and No.1 will be get priority over No.2 etc. Our College will use this information in the compilation of Subject Option Blocks. We will endeavour to ensure that each student will be permitted to study their preferred subjects but we cannot guarantee this.

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Preference Number	Subject Choice		
1	SPANISH		
2	HOME ECON.(SCIENTIFIC &		
3	TECHNICAL GRAPH	ICS	
4		٠	

Options entry completed

Timetable blocks

- Designed to facilitate meeting requirements for Third Level
- Arranged to maximise combinations using staff resources
- · Aim to offer something for everyone
- · N.B. We may not be able to accommodate everybody's preferences but we will try!







1	BIOLOGY	PHYSICS	BUSINESS	CHEMISTRY	PE	HISTORY
2	BIOLOGY	DCG	CHEMISTRY	SPANISH	HOME EC	MUSIC
3	GEOGRAPHY	FRENCH	BIOLOGY	TECHNOLOGY	ECONOMICS	SPANISH
4	GEOGRAPHY	FRENCH	AG SCIENCE	BIOLOGY	ART	ACCOUNTING





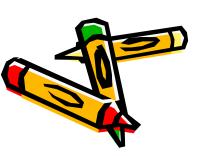






How it has worked in the past?

- · 60 70% of students get their top 4
 - 25 35% get 4 out of 5
- 5% 3/4 out of 6



What if I don't get my subjects I want

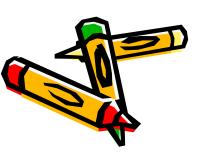
 Your child will have a meeting with the Guidance Counsellor if they do not get their choices

Changing Subjects in September will not be accommodated

Outside Subjects - Please Note

If you need help?

- Website Subject Choice Presentation, booklet & Project
- Speak with your child, students to speak with Teachers
- Guidance appointment





Subject Choice

Objective

To understand how to research, evaluate and investigate Leaving Certificate subjects to ensure you make informed subject choice decisions.

Assessment

As part of your group you are to present using technology, the findings of your research to the Class. Your formal presentation must not be longer than 5 minutes.

Your research must include the following - presented in any order:

- Overview of Subject
- Sections/Topics covered
- Recommendations i.e. can you take it for LC with no JC experience?
- Learning Style or Aptitude needed/recommended/preferred
- Assessment i.e. marks/% going to practical, aural, oral etc.
- Example of Leaving Cert Questions
- List of courses requiring the subject and/or courses the subject could be useful for
- Much Home Work? Extra time to be given to the subject?
- · Comments from Teachers and/or Students regarding the subject
- National Statistics Results
- Why should you study this subject?

Useful websites

www.careersportal.ie www.qualifax.ie www.examinations.ie

Note

Student's role within the group has to be highlighted during the presentation.

The Science Group Biology



Syllabus

The Biology Syllabus covers the following areas:

- Human Biology
- Plant Biology
- Ecology
- Cell Biology
- Enzymes
- Genetics
- Microbiology
- Reproduction

It requires students to complete 22 Mandatory Experiments

Examination

3 hour written exam in June

Section A (25%) Short Answer questions – 6 to do 5

Section B (15%) Experiments – 3 to do 2

Section C (60%) Long Answer questions – 6 to do 4

Recommendations

Biology is a subject requiring a good understanding, memory and application of material learned. Students should realise that this is a full two year course.

Requirement for Courses

It is advisable if you are considering a career in nursing. It is an essential requirement for entry to Genetics in UCC and Human Health and Disease in Trinity. Biology is often a core subject in Science related courses.

Possible Career Options

- Physiotherapy
- Sports Science
- Beauty Therapy
- Food Science
- Forensics
- Laboratory Technician
- Medicine
- Nursing
- Occupational Therapy
- Optician
- Research
- Teaching











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Summer Schools/College Experiences

- · NUIG Usually last week of June
 - Computer Science, Business, Science, Engineering & Nursing
- UCD Usually 1st week in June need to register with myucd.ie to keep up to date - 5th Years priority
- · Maynooth Middle of June





